Oxygen 3 / 3ST

Broadcast Mixing Console

User Manual

Analog Broadcast Mixing console

(Rev. 2.0 ENG)

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1 INTRODUCTION

OXYGEN 3 VERSIONS AVAILABLE

ARTICLE#	MODEL	DESCRIPTION
OXYGEN3	OXYGEN 3 WITH TONES	Professional broadcast console with balanced inputs and control tones:3 micro/line eq , 3line/line eq, 2 telephone hybrids with conference, autofader, balanced and unbalanced audio outputs, Cut-Off out monitor from first Mic/Line channel, On Air lamp control
OXYGEN3-ST	OXYGEN 3 WITHOUT TONES	Professional broadcast console with balanced inputs: 3 micro/line , 3line/line, 2 telephone hybrids with conference, autofader, balanced and unbalanced audio outputs, Cut-Off out monitor from first Mic/Line channel, On Air lamp control

OPTIONAL AVAILABLE ON OXYGEN 3

CODE#	MODEL	DESCRIPTION
A103030300	OX3-ADPT	SubD TO 4 XLR adapter for master balanced outputs
A103030321	OX3-KCUT	Alp Slider K series with switch for monitor loudspeaker cut (off for Micro channel 2 or 3) with knob
A103030341	OX3-KSL	Alp Slider K series with knob
A103030310	OX3-KSL-KIT 8	Kit 8 K Series Alps sliders with knob
A103030320	OX3-NCUT	Alp Slider N 90° series with switch for monitor loudspeaker cut (off for Micro channel 2 or 3) with knob
A103030530	OX3-NSL	Alp Slider N 90° series with knob
A103030531	OX3-PSU	External power supply-switching 90-260Vac
A103030390	OX3-WOOD	Wood frame for Oxygen 3

1.1 THIS MANUAL

This user manual is specially designed for Oxygen 3 and Oxygen 3-ST

2 SAFETY WARNINGS / ISTRUZIONI PER LA SICUREZZA

SAFETY WARNINGS

CONSIGNES DE SÉCURITÉ IMPORTANTES

ISTRUZIONI IMPORTANTI PER LA SICUREZZA

WICHTIGE SICHERHEITSHINWEISE

INSTRUCCIONES IMPORTANTES DE SEGURIDAD

(Rel. 1.3)

2.1 FOREWORD

For your own safety and to avoid invalidation of the warranty all text marked with these Warning Symbols should be read carefully.

Information in this manual is subject to change without notice and does not represent a commitment on the part of the vendor.

The manufacturer shall not be liable for any loss or damage whatsoever arising from the use of information or any error contained in this manual, or through any mis-operation or fault in hardware contained in the product.

It is recommended that all maintenance and service on the product should be carried out by the manufacturer or its authorised agents. The manufacturer cannot accept any liability whatsoever for any loss or damage caused by service, maintenance or repair by unauthorised personnel.

3 SAFETY WARNINGS

The installation and servicing instructions in this manual are for use by qualified personnel only.

- **Read All Instructions.** All safety and operating instructions must be read before operating the product. They also must be retained for future reference, as it contains a number of useful hints for determining the best combination of equipment settings for Yr particular application.
- **Heed All Warnings**. All warnings on the product and those listed in the operating instructions must be adhered to.
- **Heat**. This product must be situated away from any heat sources such as radiators or other products (including power amplifiers or transmitters) that produce heat.
- **Power Sources.** This product must be operated from the type of power source indicated on the marking label and in the installation instructions. If you are not sure of the type of power supplied to your facility, consult your local power company. Make sure the AC main voltage corresponds to that indicated in the technical specifications. If a different voltage (ex. 110/115 VAC) is available, open the equipment closure and set the voltage switch on the main supply circuit, located behind the AC socket
- **Power Cord Protection.** Power supply cords must be routed so that they are not likely to be walked on nor pinched by items placed upon or against them. Pay particular attention to the cords at AC wall plugs and convenience receptacles, and at the point where the cord plugs into the product
- **Use only with a cart,** stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- **Lightning**. For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the AC wall outlet and the audio connections. This will prevent damage to the product due to lightning and power line surges
- **Installation**. Configuration and installation should only be carried out by a competent installation engineer
- **Cabling**. Using high quality wires, well protected. Make sure the cable integrity.

This symbol alerts you to the presence of dangerous voltage inside the closure – voltage which may be sufficient to constitute a risk of shock. Do not perform any servicing other than that contained in the operating instructions. Refer all servicing to qualified personnel

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Do not change the voltage setting or replace the mains fuse without first turning the unit off and unplugging the mains cord

Make sure the AC main voltage corresponds to that indicated in the technical specifications. THIS APPARATUS MUST BE EARTHED !

To avoid risk of fire use the correct value fuse, as indicated on the label stuck on the right side of the unit.

This apparatus uses a single pole mains switch and does therefore not separate the unit completely from the mains power. To completely separate from mains power (f.i. in the event of danger) unplug mains power cord. As the MAINS plug is the disconnect device, the disconnect device shall remain readily operable.

4 CONSIGNES DE SÉCURITÉ IMPORTANTES

- **Lire ces consignes**
- **Conserver ces consignes**
- **Observer tous les avertissements**
- **Suivre toutes les consignes**
- **Ne pas utiliser cet appareil à proximité de l'eau**
- **Ne pas obstruer les ouvertures de ventilatio**n. Installer en respectant les consignes du fabricant
- **Ne pas installer à proximité d'une source de chaleur** telle qu'un radiateur, une bouche de chaleur, un poêle ou d'autres appareils (dont les amplificateurs) produisant de la chaleur.
- **Ne pas annuler la sécurité de la fiche de terre**, la troisième branche est destinée à la sécurité. Si la fiche fournie ne s'adapte pas à la prise électrique, demander à un électricien de remplacer la prise hors normes.
- **Protéger le cordon d'alimentation** afin que personne ne marche dessus et que rien ne le pince, en particulier aux fiches, aux prises de courant et au point de sortie de l'appareil
- **Utiliser uniquement les accessoires spécifiés par le fabricant**
- **Utiliser uniquement avec un chariot**, un support ou une table spécifié par le fabricant ou vendu avec l'appareil. Si un chariot est utilisé, déplacer l'ensemble chariot–appareil avec précaution afin de ne pas le renverser, ce qui pourrait entraîner des blessures
- **Débrancher l'appareil** pendant les orages ou quand il ne sera pas utilisé pendant longtemps.
- **Confier toute réparation à du personnel qualifié.** Des réparations sont nécessaires si l'appareil est endommagé d'une façon quelconque, par exemple: cordon ou prise d'alimentation endommagé, liquide renversé ou objet tombé à l'intérieur de l'appareil, exposition de l'appareil à la pluie ou à l'humidité, appareil qui ne marche pas normalement ou que l'on a fait tomber.
- **NE PAS exposer cet appareil aux égouttures et aux éclaboussements**. Ne pas poser des objets contenant de l'eau, comme des vases, sur l'appareil

Ce symbole indique la présence d'une tension dangereuse dans l'appareil constituant un risque de choc électrique.

Ce symbole indique que la documentation fournie avec l'appareil contient des instructions d'utilisation et d'entretien importantes.

Avant de modifier le commutateur de changement de tension ou replacer le fusible il faut débrancher l'appareil de la prise électrique. Pendant son usage, l'appareil doit etre branchee à la prise de terre

Utiliser le fusible principal AC avec le valeur qui est indiquée sur l'étiquette collée sur le coffret.

Assurez-vous que la tension principale AC correspond à celle indiquée dans les spécifications techniques.

L'interrupteur d'alimentation interrompt un pôle du réseau d'alimentation excepté le conducteur de terre de protection. En cas de danger, debrancher le cordon d'alimentation. Parce que la prise du réseau de alimentation est utilisée comme dispositif de déconnexion, ce dispositif doit demeuré aisément accessible

5 ISTRUZIONI IMPORTANTI PER LA SICUREZZA

- **Leggere le presenti istruzioni**
- **Conservare queste istruzioni**
- **Osservare tutte le avvertenze**
- **Seguire scrupolosamente tutte le istruzioni**
- **Non usare questo apparecchio in prossimità di acqua**
- **Non ostruire alcuna apertura per il raffreddamento**. Installare l'apparecchio seguendo le istruzioni
- **Non installare l'apparecchio accanto a fonti di calore** quali radiatori, aperture per l'afflusso di aria calda, forni o altri apparecchi (amplificatori inclusi) che generino calore
- **Non rimuovere il terminale di connessione a terra sul cordone di alimentazione**: esso ha lo scopo di tutelare l'incolumità dell'utilizzatore. Se la spina in dotazione non si adatta alla presa di corrente, rivolgersi ad un elettricista per far eseguire le modifiche necessarie.
- **Evitare di calpestare il cavo di alimentazione o di comprimerlo**, specialmente in corrispondenza della spina e del punto di inserzione sull'apparato.
- **Utilizzare solo dispositivi di collegamento e gli accessori specificati dal produttore.**
- **Utilizzare l'apparecchio** solo con un carrello, un sostegno, una staffa o un tavolo di tipo specificato dal produttore o venduto insieme all'apparecchio. Se si utilizza un carrello, fare attenzione negli spostamenti per evitare infortuni causati da ribaltamenti del carrello stesso.
- **Scollegare l'apparecchio dalla presa di corrente** durante i temporali o quando inutilizzato a lungo
- **Per qualsiasi intervento**, rivolgersi a personale di assistenza qualificato. È' necessario intervenire sull'apparecchio ogniqualvolta si verificano danneggiamenti di qualsiasi natura. Ad esempio, la spina o il cavo di alimentazione sono danneggiati, è entrato liquido nell'apparecchio o sono caduti oggetti su di esso, l'apparecchio è stato esposto alla pioggia o all'umidità, non funziona normalmente o è caduto.
- **Non esporre a sgocciolamenti o spruzzi**. Non appoggiare sull'apparecchio oggetti pieni di liquidi, ad esempio vasi da fiori.

Questo simbolo indica la presenza di alta tensione all'interno dell'apparecchio, che comporta rischi di scossa elettrica.

Questo simbolo indica la presenza di istruzioni importanti per l'uso e la manutenzione nella documentazione in dotazione all'apparecchio.

Non sostituire il fusibile o cambiare la tensione di alimentazione senza aver prima scollegato il cordone di alimentazione. L'APPARATO DEVE ESSERE CONNESSO A TERRA.

Sostituire il fusibile generale con uno di identico valore, come indicato sulla etichetta applicata sul mobile dell'apparato

Assicurarsi che la tensione di rete corrisponda a quella per la quale è configurato l'apparecchio

Questo apparato utilizza un interruttore di alimentazione di tipo unipolare e l'isolamento dalla rete elettrica non è pertanto completo. Per ottenere un isolamento totale (ad esempio in caso di pericolo), scollegare il cordone di alimentazione. Inoltre, poichè la spina di alimentazione è utilizzata come dispositivo di sezionamento, essa deve restare facilmente raggiungibile

6 WICHTIGE SICHERHEITSHINWEISE

- **Diese Hinweise LESEN**
- **Diese Hinweise AUFHEBEN**
- **Alle Warnhinweise BEACHTEN**
- **Alle Anweisungen BEFOLGEN**
- **Dieses Gerät NICHT in der Nähe von Wasser verwenden**
- **KEINE Lüftungsöffnungen verdecken**. Gemäß den Anweisungen des Herstellers einbauen
- **Nicht in der Nähe von Wärmequellen**, wie Heizkörpern, Raumheizungen, Herden oder anderen Geräten (einschließlich Verstärkern) installieren, die Wärme erzeugen
- **Die Schutzfunktion des Schukosteckers NICHT umgehen**. Bei Steckern für die USA gibt es polarisierte Stecker, bei denen ein Leiter breiter als der andere ist; US-Stecker mit Erdung verfügen über einen dritten Schutzleiter. Bei diesen Steckerausführungen dient der breitere Leiter bzw. der Schutzleiter Ihrer Sicherheit. Wenn der mitgelieferte Stecker nicht in die Steckdose passt, einen Elektriker mit dem Austauschen der veralteten Steckdose beauftragen
- **VERHINDERN, dass das Netzkabel gequetscht oder darauf getreten wird**, insbesondere im Bereich der Stecker, Netzsteckdosen und an der Austrittsstelle vom Gerät
- N**UR das vom Hersteller angegebene Zubehör** und entsprechende Zusatzgeräte verwenden.
- **NUR in Verbindung** mit einem vom Hersteller angegebenen oder mit dem Gerät verkauften Transportwagen, Stand, Stativ, Träger oder Tisch verwenden. Wenn ein Transportwagen verwendet wird, beim Verschieben der Transportwagen-Geräte- Einheit vorsichtig vorgehen, um Verletzungen durch Umkippen
- **Das Netzkabel dieses Geräts** während Gewittern oder bei längeren Stillstandszeiten aus der Steckdose ABZIEHEN.
- **Alle Reparatur- und Wartungsarbeiten** von qualifiziertem Kundendienstpersonal DURCHFÜHREN LASSEN. Kundendienst ist erforderlich, wenn das Gerät auf irgendwelche Weise beschädigt wurde, z.B. wenn das Netzkabel oder der Netzstecker beschädigt wurden, wenn Flüssigkeiten in das Gerät verschüttet wurden oder Fremdkörper hineinfielen, wenn das Gerät Regen oder Feuchtigkeit ausgesetzt war, nicht normal funktioniert oder fallen gelassen wurde.
- **Dieses Gerät vor Tropf- und Spritzwasser SCHÜTZEN**. KEINE mit Wasser gefüllten Gegenstände wie zum Beispiel Vasen auf das Gerät STELLEN.

Dieses Symbol zeigt an, dass gefährliche Spannungswerte, die ein Stromschlagrisiko darstellen, innerhalb dieses Geräts auftreten.

Dieses Symbol zeigt an, dass das diesem Gerät beiliegende Handbuch wichtige Betriebs- und Wartungsanweisungen enthält.

Vor Änderung der Netzspannung oder Sicherungswechsel Netzkabel trennen.
Das Gerät muss für den Betrieb geerdet werden.

Hauptsicherung nur mit einer gleichwertigen austauschen
(s. entsprechende Etikette).

Vor Einschalten Netzspannungseinstellung am Gerät überprüfen bzw. anpassen.

Inpoliger Netzschalter. In Notfälle oder für Wartungsarbeiten Netzkabel trennen. Der Netzstecker fungiert auch als Trennelement muss deshalb zugänglich bleiben

7 INSTRUCCIONES IMPORTANTES DE SEGURIDAD

- **LEA estas instrucciones**
- **CONSERVE estas instrucciones**
- **PRESTE ATENCION a todas las advertencias.**
- **SIGA todas las instrucciones**
- **NO utilice este aparato cerca del agua**
- **NO obstruya ninguna de las aberturas de ventilación.** Instálese según lo indicado en las instrucciones del fabricante
- **No instale el aparato cerca de fuentes de calor** tales como radiadores, registros de calefacción, estufas u otros aparatos (incluyendo amplificadores) que produzcan calor
- **NO anule la función de seguridad del enchufe polarizado** o con clavija de puesta a tierra. Un enchufe polarizado tiene dos patas, una más ancha que la otra. Un enchufe con puesta a tierra tiene dos patas y una tercera clavija con puesta a tierra. La pata más ancha o la tercera clavija se proporciona para su seguridad. Si el toma corriente no es del tipo apropiado para el enchufe, consulte a un electricista para que sustituya el toma corriente de estilo anticuado
- **PROTEJA el cable eléctrico** para evitar que personas lo pisen o estrujen, particularmente en sus enchufes, en los toma corrientes y en el punto en el cual sale del aparato
- **UTILICE únicamente los accesorios especificados por el fabricante**
- **UTILICESE únicamente** con un carro, pedestal, escuadra o mesa del tipo especificado por el fabricante o vendido con el aparato. Si se usa un carro, el mismo debe moverse con sumo cuidado para evitar que se vuelque con el aparato
- **DESENCHUFE el aparato** durante las tormentas eléctricas, o si no va a ser utilizado por un lapso prolongado.
- **TODA reparación** debe ser llevada a cabo por técnicos calificados. El aparato requiere reparación si ha sufrido cualquier tipo de daño, incluyendo los daños al cordón o enchufe eléctrico, si se derrama líquido sobre el aparato o si caen objetos en su interior, si ha sido expuesto a la lluvia o la humedad, si no funciona de modo normal, o si se ha caído.
- **NO exponga** este aparato a chorros o salpicaduras de líquidos. NO coloque objetos llenos con líquido, tales como floreros, sobre el aparato .

Este símbolo indica que la unidad contiene niveles de voltaje peligrosos que representan un riesgo de choques eléctricos.

Este símbolo indica que la literatura que acompaña a esta unidad contiene instrucciones importantes de funcionamiento y mantenimiento.

Antes de cambiar la alimentacion de voltaje o de cambiar el fusible, desconecte el cable de alimentacion. Para reducir el riesgo de descargas electricas, esta unidad debe ser conectada a tierra.

Remplaze el fusible con lo mismo, que corresponde a lo indicado en el panel del equipo.

Antes de encender, controlar que la linea de alimentacion de voltaje corresponda a la indicada

El interruptor de alimentación es unipolar. En el caso de peligro, desconecte el cable de alimentación. Porque la clavija de conexion a red sirve por la desconection de la unidad, la clavija debe ser ubicada en proximidad de la unidad

8 UNPACKING AND INSPECTION

Your equipment was packed carefully at the factory in a container designed to protect the unit during shipment. Nevertheless, we recommend making a careful inspection of the shipping carton and the contents for any signs of physical damage.

Damage & Claims

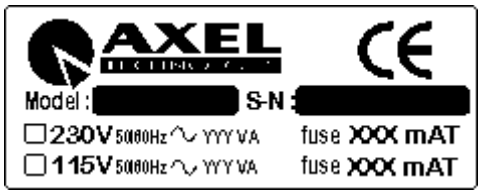
If damage is evident, do not discard the container or packing material. Contact your carrier immediately to file a claim for damages. Customarily, the carrier requires you, the consignee, to make all damage claims. It will be helpful to retain the shipping documents and the waybill number.

Save all packing materials! If You should ever have to ship the unti (e.g. for servicing), it is best to ship it in the original carton with its packing materials because both the carton and packing material have been carefully designed to protect the unit.

Under normal conditions no user maintenance or calibration are required. Internal links and preset controls may be set to configure the unit during installation. **Any service work required should be carried out by qualified service personnel only.**
We are able to offer further product support through our worldwide network of approved dealers and service agents.

To help us provide the most efficient service please would you keep a record of the unit serial number, and date and place of purchase to be quoted in any communication regarding this product.

The actual equipment Serial Number is indicated on the silver label stuck on the rear panel of the equipment closure.



Tools And Equipment Needed

Only standard technician's tools are required to install this equipment.

9 FIRST INSTALLATION RECOMMENDATIONS

9.1 POWER SUPPLY CABLE

A power supply cable of approx. 2 mt length is supplied with the device, which has a moulded IEC plug attached – this is a legal requirement.
The type of plug for the power supply depends on the country in which it is delivered.

If for any reason, you need to use this appliance with a different plug, you should use the following wiring guidelines in replacing the exsisting plug with the new one:

Earth	Green, or green and yellow
Neutral (N)	Blue
Live (L)	Brown

Supply cables should be laid in such a manner that one does not step or walk on them. They should not be squashed by any objects.

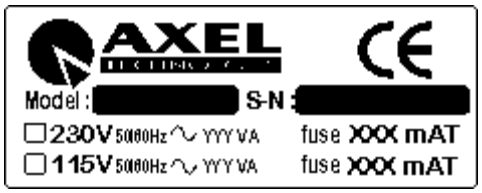
THIS EQUIPMENT MUST BE EARTHED.

The chassis is always connected to mains earth to ensure your safety: check your mains wiring and earthing before switching on.

9.2 AC MAINS VOLTAGE SETTING (230 V / 115 V)

BE SURE THAT THE UNIT IS SET TO THE CORRECT MAINS/LINE VOLTAGE FOR YOUR COUNTRY BEFORE PLUGGING IT INTO THE WALL OUTLET !

The actual Mains voltage is indicated on the label stuck on the equipment closure. Should the type of power at the operation location not be known, please contact your dealer or electricity company.



If, for some reason, the unit is to be operated at a mains input voltage which is different to that as supplied, you need to switch the voltage selector on the right side of the unit. You also need to replace the AC main fuse, according to information provided on the external label or on the Technical Specifications table at the end of this user manual.

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, ALWAYS DISCONNECT THE AC MAINS CABLE BEFORE ALTERING THE CHANGE-OVER SWITCH. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

9.3 FUSE REPLACEMENT

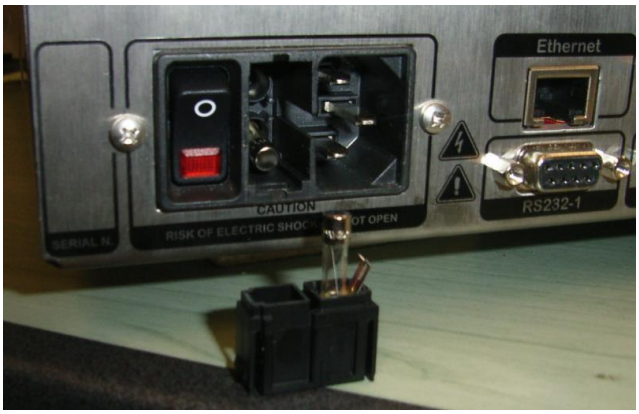
The power supply socket has an integral fuse drawer containing the AC power fuse and a spare, both of the same value.

BEFORE REPLACING THE POWER FUSE, MAKE SURE YOU HAVE THE RIGHT TYPE OF FUSE FOR THE VOLTAGE TO BE PROTECTED.
USING WRONG FUSE TYPE WILL RESULT IN INSUFFICIENT PROTECTION.

Make sure that the power is switched off and the power cable is disconnected from the equipment.

a. Open the fuse drawer using a small blade screwdriver.

b. Replace the fuse located at the internal position



c. Push the fuse socket back into the original position (a.)

Perform the set-up under static control conditions. Static charges are likely to completely destroy one or more of the CMOS semiconductors employed in the unit. Static damage will not be covered under warranty.
Basic damage prevention consists of minimizing generation, discharging any accumulated static charge on your body and preventing that discharge from being sent to or through any electronic component.

Uninsulated dangerous voltage are inside the enclosure, voltage that may be sufficient to constitute a risk of shock.
Always disconnect to AC Mains before removing the top cover

9.4 PROTECTION AGAINST LIGHTNING

Should the device be put out of action due to being struck by lightning or excess voltage, disconnect it from the power supply without delay. Do not reconnect until the device has been checked. If in doubt contact the technical support service.

Make sure there is suitable lightning protection to protect the device.
Alternatively you should disconnect all connectors from the device during a storm or when the device is going to be unsupervised or not used for a longer period of time.
These measures will protect against damage by lightning or excess voltage.

9.5 VENTILATION

The equipment will operate as a free-standing unit without requiring any special cooling arrangement.
However, slots and openings in the product are provided for ventilation. They ensure reliable operation of the product, keeping it from overheating. These openings must not be blocked nor covered during operation.
YOU MUST LEAVE AT A MINIMUM ONE RACK UNIT OF EMPTY SPACE ABOVE THE EQUIPMENT TO ENHANCE VENTILATION AND TO GET A LONGER EQUIPMENT LIFE.

10 OXYGEN 3 SERIES - OVERVIEW

10.1.1 QUALITY.

The Oxygen 3 and 3 ST are specially designed On-Air broadcast consoles. Although the design has been carefully budgeted, no compromises has been made in either quality or features. Electronic components have been selected from the best on the market. Faders, potentiometers and switches are by ALPS. Most all of the switches have led indicators and all similar functions are grouped and colour coded, with additional fader knobs with different channel colour coding. Long throw faders give a smooth, repeatable response. Telephone module features a built-in, high quality telephone hybrid. Wood finishing touch are also available on request.

10.1.2 SELF CONTAINED

The Oxygen 3 and 3 ST are complete and self contained pieces of hardware, requiring no additonal items in order to be operated. All relevent functions are built-in, such as Monitor speaker muting and 'On Air lamp' control (facility available on series on the Channel 1 module and, as an option, on Channels 2 and 3).

10.1.3 TWO VERSIONS

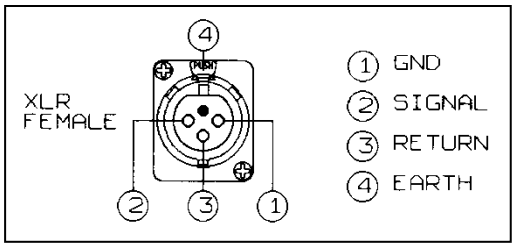
Oxygen 3 console is available in two versions: **with or without EQ** controls on Input channels (respectively called **Oxygen 3** and **Oxygen 3 ST)**.

Each console has always two balanced outputs (Out 1 and Out2) plus a number of unbalanced outputs provided on Pin Rca connectors.
Furthermore, while the **Oxygen 3** features **unbalanced LINE inputs** (PinRca connectors), the **Oxygen 3 ST** features electronically **balanced LINE inputs** on Jack 1/4" female connectors.

The Oxygen 3 with food finishing touch option (OX-3 WOOD)

11 OXYGEN 3 – AUDIO INPUT CONNECTIONS (REAR)

11.1 CH 1 TO 3



The first three channels feature two selectable inputs:

- **INPUT A:** input for **MICROPHONE** signal, electronically balanced on XLR female
- **INPUT B** (PIN RCA): **LINE** input.

11.2 CH 4 AND 5

The channels feature two selectable inputs:

- **INPUT A** (PIN RCA): **LINE** input.
- **INPUT B** (PIN RCA): **LINE** input

(the A input can be set, if required, as PHONO, too).

11.3 CH 6

The channel features two selectable inputs:

- **INPUT A** (PIN RCA): **PHONO** input
  *(**Phono** configuration is suitable for **record-players, as a RIAA equalization is featured.***

  NOTE: connection is possible only in unbalanced mode).
- **INPUT B** (PIN RCA): **LINE** input

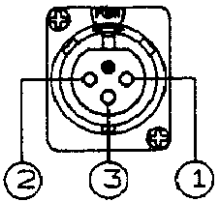
(the A input can be set, if required, as LINE, too).

12 OXYGEN 3-ST – AUDIO INPUT CONNECTIONS (REAR)

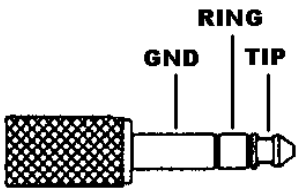
12.1 CH 1, 2 AND 3

The first three channels feature two selectable inputs:

- **INPUT A:** stereo **LINE** input electronically balanced on Jack 1/4" female.
- **INPUT B:** mono input for **MICROPHONE** signal, electronically balanced on XLR female



1	Ground
2	Signal
3	Return



Ground	Ground
Ring	Return
Tip	Signal

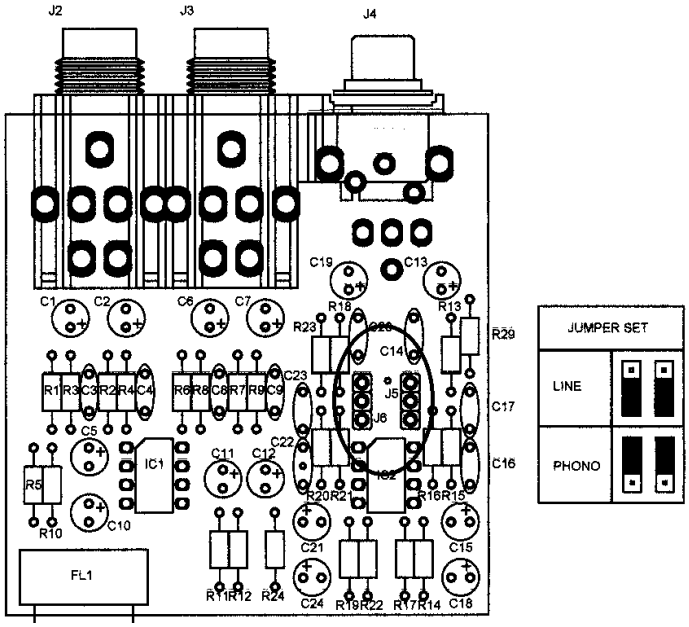
12.2 CH 4, 5 AND 6

The channels feature two selectable stereo inputs:

- **INPUT A**: **LINE** input electronically balanced on Jack 1/4" female
- **INPUT B**: **LINE** input unbalanced (PinRca connectors)

NOTE: the Oxygen 3 ST comes from the factory with the **CHANNEL 6 / INPUT B** set as **PHONO** input (i.e. suitable for record-players **/** turntables). **CHANNELS 4** and **5 / INPUT B** are set by default for **LINE** signals.

However, **Input B configuration** on Channels 4, 5 and 6 may be **altered** via internal jumpers, accordingly to the following scheme:



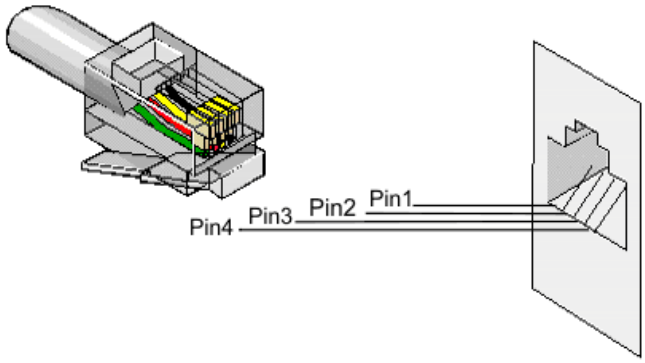
Jumper setting LINE / PHONO on the INPUT B / Channel 4,5 & 6 Stereo input board (Oxygen 3 ST)

13 TELEPHONE CONNECTIONS (OXYGEN 3 and 3 ST)

The Telephone module features a **built-in telephone hybrid**.
The audio sent to the telephone caller is a mix-minus (N-1). The mix minus signal is the programme output signal with the phone signal (caller's voice) removed.

⚠	**DO NOT CONNECT this appliance to ADSL telephone lines, even if filtered.**
⚠	**DO NOT CONNECT this appliance to digital Telephone lines**
⚠	**MAKE SURE this appliance is connected to POTS, analogue lines**
⚠	**In order to avoid any Hum and for EMC reasons, the system must be earthed via earthing screws on the rear panel.**
⚠	**This appliance is connected to telephone networks indirectly through interface (in-house telephone exchange / PABX). Direct connection to the public telephone net is under sole responsibility of the user.**

RJ11 socket will accept 4 conductor modular plugs, but only the **2 central pins (number 2 and 3)** are typically used:



CONNECTOR PIN-OUT	
Pin	**Description**
1	n.c.
2	**Tel line**
3	**Tel line**
4	n.c.

This unit allows the connection on parallel of a standard telephone set (for dialling services). Please note that 'Phone' socket is always active (i.e. it doesn't depend on the 'Hook' button state) and it has the same Pin-Out as the LINE socket.

Should the device be put out of action due to being struck by lightning or excess voltage, **disconnect it from the telephone line without delay**. Do not reconnect until the device has been checked. If in doubt contact the technical support service.
Make sure there is suitable lightning protection to protect the device.
Alternatively you should disconnect all connectors from the device during a storm or when the device is going to be unsupervised or not used for a longer period of time. These measures will protect against damage by lightning or excess voltage.

Other connections:

R/L (OUT REC on PIN RCA): double mono output which allows recording of the telephone calls (either SEND or RECEIVE signals).

CALL (terminal board connector): connector for external call signalling. A photocoupler inside the module closes when a telephone call comes (ring).

NOTE: Typical current allowed on the photocoupler: 5 mA (max 10 mA). Max voltage allowed: 15 V.

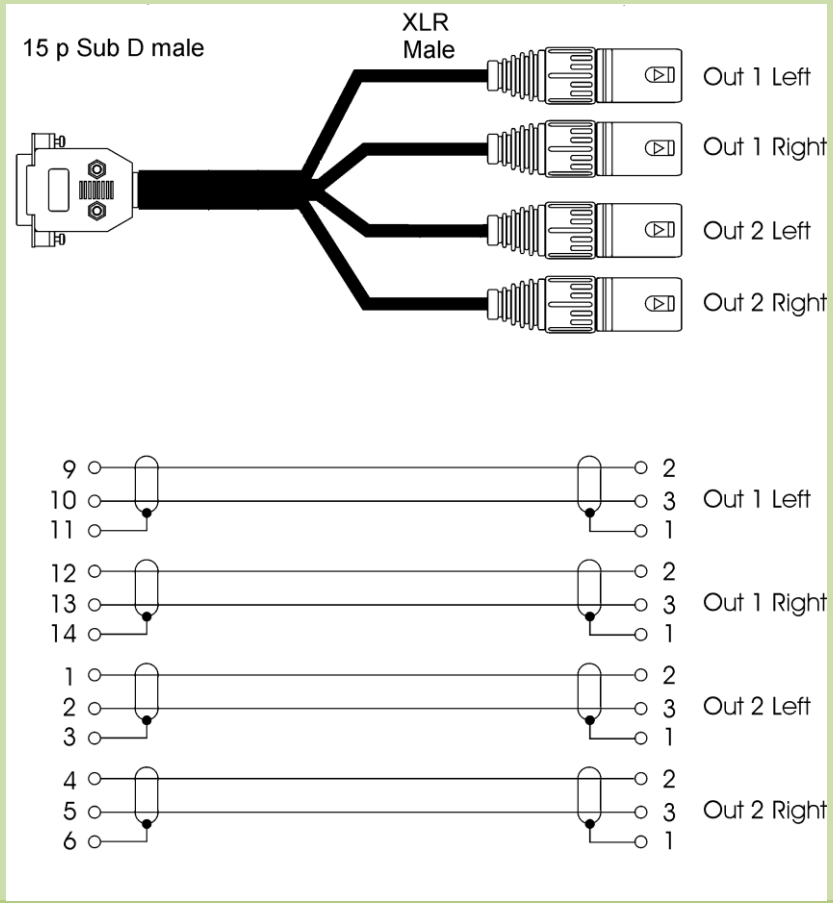
14 OUTPUT CONNECTIONS (OXYGEN 3 and 3 ST)

14.1 MASTER OUTPUTS

The Oxygen 3's Master section gives the operator an extensive set of resources.

In addition to two Master balanced outputs (**Out 1** and **Out 2**, carried on DB15 female connector), provision has been made for an unbalanced, level-controlled output on PinRca connector (**Out 3**), an unbalanced, fixed level on PinRca connector (**Fixed**) and two **Mono** outputs (summing the left and right channels and dropping the level by 6dB). All the Master outputs provide the same Master signal.

OUTPUT OVERVIEW		
Out 1	Balanced stereo Output (with Level and Balance controls)	DB 15p female
Out 2	Balanced stereo Output (with Level and Balance controls)	DB15p female
Out 3	Unbalanced stereo Output (with Level and Balance controls)	PinRca
Fixed	Unbalanced stereo Output (with Balance control)	PinRca
Mono	Unbalanced mono Output	PinRca



14.2 MONITOR OUT AND EXT-IN CONNECTIONS *(OXYGEN 3 AND 3 ST)*

The Oxygen 3's Monitor section gives the operator an extensive set of resources.

In addition to monitoring the Master and PFL audio buses, provision has been made for monitoring an external audio source. This stereo input (Ext-In) is intended to be connected to microwave, FM or satellite receivers or another studio.

MONITOR output is a stereo line-level output, provided for connection to a power amplifier associated with loudspeakers.

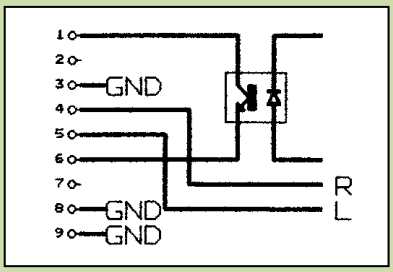
A selective 'muting' of *Monitor* speakers is also provided on series. When **microphone 1** is live to air, the monitor speakers in the room containing the microphone will be muted so that there is no acoustic feedback.

Oxygen 3 and Oxygen 3 ST come from the factory with *Muting* facility associated to Slider opening on Channel 1. On request, this facility may be extended to Input channels 2 and 3, too (by means of regular slider replacement – ref to par. 10 - Options)

The slider opening on Channel 1 is also associated to a photocupler closing on TB (TALKBACK) SubD 9 pin connector. This photocoupler may be used to control an On Air Lamp (such as MR. LIGHT by Axel Technology).

MONITOR MODULE – CONNECTIONS OVERVIEW		
MONITOR OUT	Unbalanced stereo	PIN RCA
EXT IN	Unbalanced stereo Input	PIN RCA
POWER	External AC adapter	SubD 9p male
TALKBACK	Unbalanced TALKBACK / MASTER Output (switched) + OnAir Light control	SubD 9p female

***TALKBACK* Connector PinOut**:



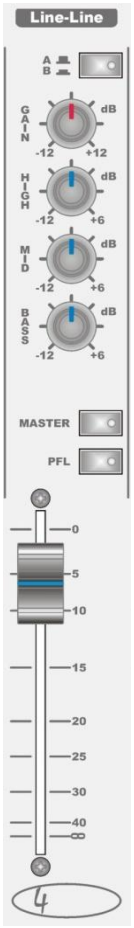
Pin 1	'On Air' photocoupler - Collector	
Pin 2	Not connected	
Pin 3	Ground GND	
Pin 4	TB / MASTER output Right	
Pin 5	TB / MASTER output Left	
Pin 6	'On Air' photocoupler - Emitter	
Pin 7	Not connected	
Pin 8	Ground GND	
Pin 9	Ground GND	

14.3 LED-METERS

SubD 15 P male connector for led-meters connection.

15 OXYGEN 3 – INPUT MODULE DESCRIPTION

15.1 CHANNELS 1 TO 6



A/B SWITCH: The **B SEL** switch selects the INPUT B socket when depressed and the INPUT A when released. A LED glows **green** when the INPUT B is selected. Input A is set for Micro level on Channels 1 to 3, for Line level on the Channels 4 and 5 and for Phono level on the Channel 6 if not otherwise indicated.

GAIN: The GAIN potentiometer provides a variable 24dB range (from -12 to +12dB) gain to match the connected source to the internal 0 dBu operating level
This knob allows you to match the input level to suit a wide variety of professional and semiprofessional sources. Start with a low setting, especially for professional equipment, checking the level on the meters using **PFL**, and increase it if you cannot reach an average 0 dB level with the fader at maximum (refer also to section 0).

EQUALISER: The Equaliser comprises three sections. The upper control provides H.F.(treble) boost and cut of + 6 / -12 dB at 13 kHz, and the lower control provides L.F. (bass) boost and cut of + 6 / -12 dB at 60 Hz.
The centre knob is arranged as MID frequency section, with a cut/boost control (lower knob) of + 6 / -12 dB for a frequency range from 80Hz to 10 kHz.
Set the cut/boost control of each section to the centre-detented position when not required.

MASTER: The input channel signal may be routed to the main Stereo MIX (MASTER L / R) by pressing the Master switch.
There is a green LED inside which will illuminate accordingly.

PFL: Stereo pre-fade listening PFL button (operated only in latched mode) allows pre-fade listening (post-EQ) of the channel with the fader closed. Even when the channel is active, the PFL system is active. It always operates in the ADDITIVE Mode (i.e. You can listen to one or more PFLs at the same time by pressing one or more PFL keys).

To listen to a PFL:

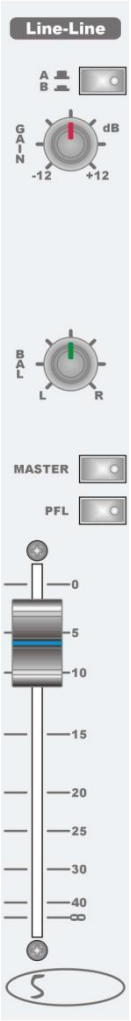
1) select the PFL key on the input channel to be monitored
2) release both the MASTER and EXT-IN buttons on the MONITOR section (ref. to section 18.3)

SLIDER: ALPS N-type 90° ultra smooth 100 mm sliders are provided on series.
The scale shows the attenuation. Normal operating position is at the top '0' mark, providing overall 0 dB of gain. **On request, to notify at order, ALPS K** series sliders can be also fitted. The benefit is longer fader life.

CHANNEL 1 (labelled MicDJ / Line) may be regarded as a 'priority' channel: the POST-EQ (and pre-fader) signal is alwais internally routed to the TalkBack circuitry and to the Telephone channels for 'private' (off-air) communications with the callers. The Post Fader, channel Master output is also routed to the TalkOver section for automatic voice/music mix. We therefore suggest to use the First Channel as a 'micro' channel connected to the DJ / Announcer microphone.

16 OXYGEN 3 ST – INPUT MODULE DESCRIPTION

16.1 CHANNELS 1 TO 6



A/B SWITCH: The **B SEL** switch selects the INPUT B socket when depressed and the INPUT A when released. A LED glows **green** when the INPUT B is selected. Input B is set for Micro level on Channels 1 to 3, for Line level on the Channels 4 and 5 and for Phono level on the Channel 6 if not otherwise indicated.

GAIN: The GAIN potentiometer provides a variable 24dB range (from +12 to +12dB) gain to match the connected source to the internal 0 dBu operating level
This knob allows you to match the input level to suit a wide variety of professional and semiprofessional sources. Start with a low setting, especially for professional equipment, checking the level on the meters using **PFL**, and increase it if you cannot reach an average 0 dB level with the fader at maximum (refer also to section 0).

BALANCE: It adjusts the stereo image of the signal on the stereo line input (i.e. the balance between the L and R outputs). At the detented centre position the signal routes equally to L and R.

MASTER: The input channel signal may be routed to the main Stereo MIX (MASTER L / R) by pressing the Master switch.
There is a green LED inside which will illuminate accordingly.

PFL: Stereo pre-fade listening PFL button (operated only in latched mode) allows pre-fade listening (post-EQ) of the channel with the fader closed. Even when the channel is active, the PFL system is active. It always operates in the ADDITIVE Mode (i.e. You can listen to one or more PFLs at the same time by pressing one or more PFL keys).

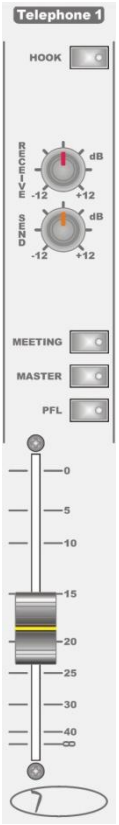
To listen to a PFL:

1) select the PFL key on the input channel to be monitored
2) release both the MASTER and EXT-IN buttons on the MONITOR section (ref. to section 18.3)

SLIDER: ALPS N-type 90° ultra smooth 100 mm sliders are provided on series.
The scale shows the attenuation. Normal operating position is at the top '0' mark, providing overall 0 dB of gain. **On request, to notify at order, ALPS K** series sliders can be also fitted. The benefit is longer fader life.

CHANNEL 1 (labelled MicDJ / Line) may be regarded as a 'priority' channel: the POST-EQ (and pre-fader) signal is alwais internally routed to the TalkBack circuitry and to the Telephone channels for 'private' (off-air) communications with the callers. The Post-Fader, channel Master output is also routed to the TalkOver section for automatic voice/music mix. We therefore suggest to use the First Channel as a 'micro' channel connected to the DJ / Engineer microphone.

17 TELEPHONE CHANNELS (OXYGEN 3 and 3 ST)



The Telephone module features a **built-in telephone hybrid**.

The module features two gain controls, PFL, Master output, hybrid Hook / Ring controls. It features connections to a regular telephone line (POTS) and to an external standard telephone set (for example for dialling). Automatic line compensation is also featured.

The audio sent to the telephone caller is a mix-minus (N-1). The mix minus signal is the programme output signal with the phone signal (caller's voice) removed.

The presenter can talk *off-air* with a caller (whilst the Main programme is being output) via its own microphone (connected to **Channel 1** module).

HOOK button: it allows Line hooking. This switch hooks / hangs up the hybrid from the telephone line. Hook LED switchs on accordingly. The same **LED** blinks when a call (ring) is coming in. Please note: LED glows only if phone line is connected.

SEND: It adjusts in the +/- 12 dB range the level of *mix-minus* signal which is sent to the telephone caller.

RECEIVE: It adjusts in the +/- 12 dB range the level of the signal incoming from telephone caller.

MEETING: it allows the RECEIVE signal to be heard also by the other telephone caller.

MASTER: it connects the telephone output to the Master output. The LED inside the button turns on accordingly.

PFL Pre-fade listening PFL button (operated only in latched mode) allows a caller to listen to the **announcer/DJ** microphone (connected to Channel 1) and to be heard without being in the broadcast (i.e. with the fader closed).

When the PFL button is activated (with MASTER button deactivated):

- the channel (Receive) signal will be connected to the PFL output (see also MONITOR Chapter).
- the **DJ MIC** *(i.e. the Mic connected to Channel 1 with A/B selection button released)* is automatically routed to the caller for "off-air" (i.e. 'Private') communications with the engineer or the announcer (regardless of MST and PFL keys on the Micro 1 channel)

When the MASTER button is activated (regardless of the PFL key):

- the Master bus is automatically sent to the caller
- the caller is broadcast while Telephone channel fader opened

Note: with MASTER button enabled on Telephone channels, the signal sent to the telephone line (adjustable through SEND control) will be the sum of the signals coming from each module routed to the Master bus except from the two Telephone ones. The **mutual phone-user listening** can only be enabled via the MEETING function (on both the Telephone modules).

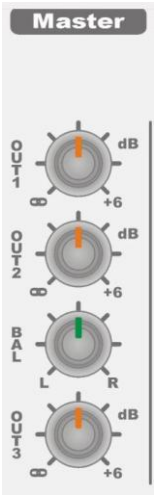
SLIDER ALPS N-type 90° ultra smooth 100 mm sliders are provided on series.
The scale shows the attenuation. Normal operating position is at the top '0' mark, providing overall 0 dB of gain. **On request, to notify at order, ALPS K** series sliders can be also fitted. The benefit is longer fader life and more reliable operation.

17.1 ALIGNEMENT OF INPUTS

When plugging in a new source start with the fader turned down and the PFL activated. The signal is displayed on the meters on the left hand (PFL) and can be checked in the headphones or in the Monitor loudspeakers.
Adjust the channel GAIN control for an average channel meter reading of '0' with loud moments lighting '+3'.
Reduce the gain if the signal meter always ranges in the 0 to + 3dB area. It may be necessary to re-adjust the gain if changes are made to the equaliser.

18 OUTPUT MODULES DESCRIPTION (OXYGEN 3 and 3 ST)

18.1 MASTER SECTION



OUTPUT 1: it controls the signal level on the output labelled OUTPUT 1 (balanced).

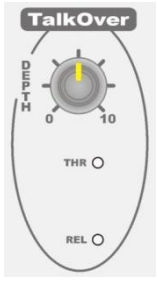
OUTPUT 2: it controls the signal level on the output labelled OUTPUT 2 (balanced).

BALANCE: it controls the signal balance on the outputs labelled OUTPUT 1-2-3 and FIXED.

OUTPUT 3: it controls the signal level on the output output labelled OUTPUT 3 (unbalanced).

18.2 TALK OVER SECTION

The TALK OVER section allows compression of all signals from CH 2 to 6 and of the TELEPHONE channels in favour of **CHANNEL1** (Master) output signal. It means that you can, f.i., automatically fade the level of music signals (from Stereo module) depending on the level of MIC1 microphone signal. This section will affect the MASTER outputs.



DEPTH: it controls the ratio of the compression: the lower is the value, the lower will be the compressed audio level. The TALK OVER function can be **disabled** by turning the DEPTH potentiometer in position **10**.

THR(ESHOLD): the trimmer inside the hole adjusts the threshold intervention level of the compressor (use a small screw-driver in order not to damage the trimmer).

REL(EASE): adjusts the release time of compressor: the higher is the value (turn it clockwise), the longer is the time needed to go back to the former audio level. (use a small screw-driver not to damage the trimmer).

18.3 MONITOR SECTION

The Monitor section allows monitoring of selected buses (Ext In, Master, and PFL) without interfering with normal operation of the main (Master) audio bus. For operator assistance, the left pair of LED meters always visualize the level of the source selected in this section.

The **Monitor** section is capable of driving one pairs of headphones plus a *Line* output with separated level controls.

POWER button: it switches On / Off the console. The LED inside the button glows accordingly.

EXT IN control: it adjusts the EXT IN input signal level (for example a tuner signal)

OUT control**:** It affects the (line level) Monitor output on the rear panel.

HEADPHONE control: it affects the output to any headphones connected to the 1/4" jack phones socket

Monitor Speaker Mute

The Mute function (**Monitor speaker cut off**) always operates whenever Channel 1 (MicDJ / Line) is used (i.e. the fader is opened). This is to prevent acoustic feed-back (e.g. using a Studio microphone).
MUTE function never affects headphone monitoring section.

SOURCE SELECTION BUTTONS

The core of the monitor section are the two monitor source buttons. The buttons allow one of the audio sources (as well as PFL signal) to be selected for monitoring as the Monitor speaker source.

EXT IN **pressed**	MASTER **depressed**	Monitor speakers / headphones will reproduce the EXTERNAL Input signal (f.i. a tuner) ‘
EXT IN **depressed**	MASTER **pressed**	Monitor speakers / headphones will reproduce the MASTER signal
EXT IN **depressed**	MASTER **depressed**	Monitor speakers / headphones will reproduce the PFL signal

TALK BACK BUTTON

The **T**ALK **B**ACK button allows f.i. the Announcer (or the engineer) in the Control Room to transmit talkback to the Guest headhones when the button is pressed. TalkBack circuitry is always monodirectional.

The TalBack output provides Master signal by default. Press and hold the *T.B. to Studio* button: it will connect the Channel 1 audio source to the TB output (ref to Rear Panel description – Section 14.2). The Channel 1 signal will always replace the exisisting Master signal.

NB The **CHANNEL 1** signal routed to TB circuitry is picked-up POST-EQ and PRE-FADER.

18.4 LED-METERS

The **Oxygen 3** and **Oxygen 3 ST** mixers are fitted with VU / PEAK LED meters.

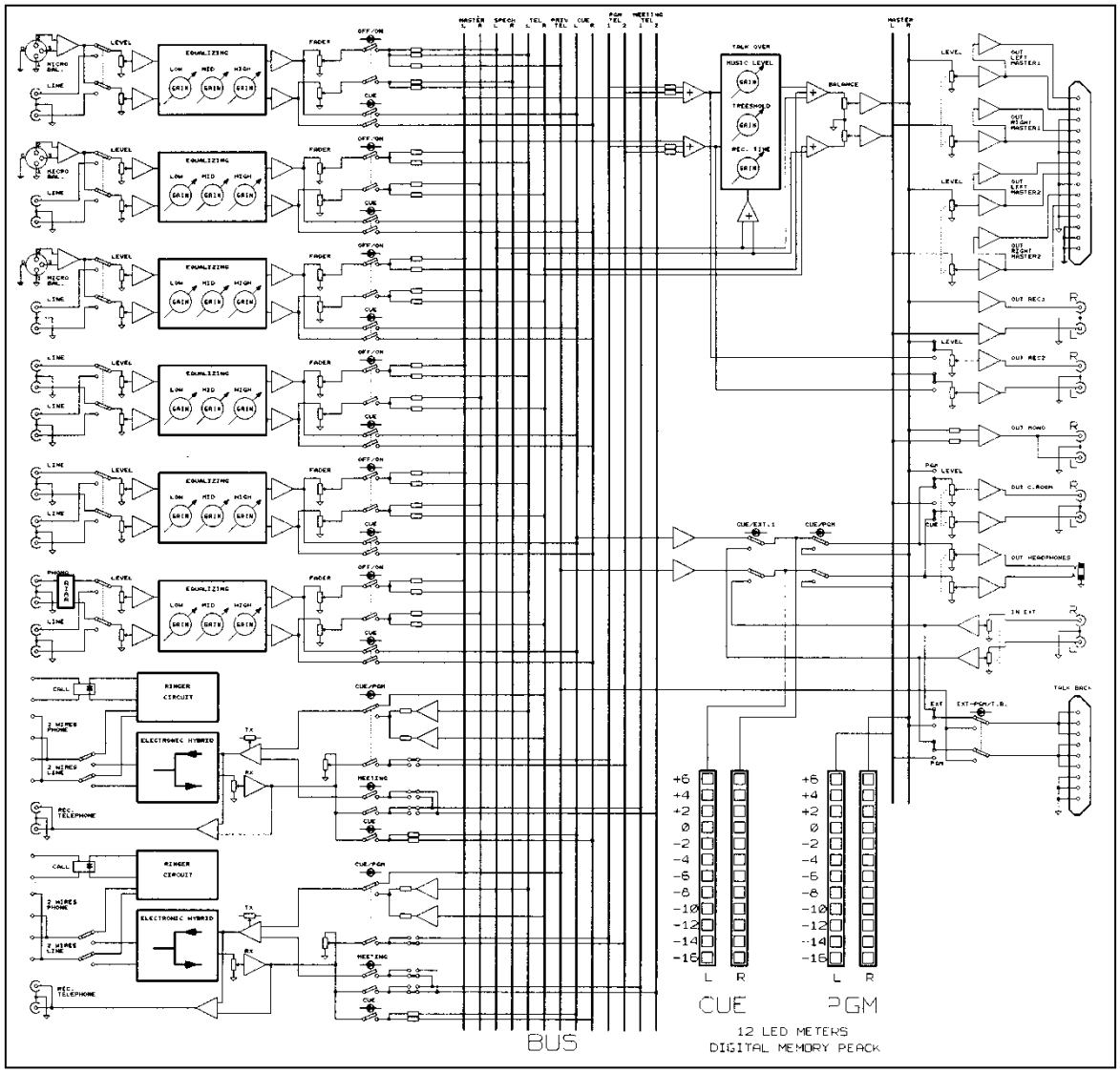
VU meters respond to an average signal level, whereas PEAK LED glows when the 0dB threshold is over-passed (it remains 'on' long enough to provide easy recognition).
The VU meters are factory-calibrated and no further user adjustement is allowed.

A short cable with a 9 pins subD plug on each end (male and female) comes with the console. It is used to connect the meterbridge to the mixer.

The RIGHT pair of meters always display the Master signal.

The LEFT pair of meters show any combination of the MASTER output, the EXTERNAL input or PFL output is selected on the Monitor module.
For example, if Monitor section has MASTER selected, then the meters will display the MASTER signal. Of course, meters will also display the PFL signal, if PFL listening is selected (see par. 18.3)

19 BLOCK DIAGRAM (OXYGEN 3)

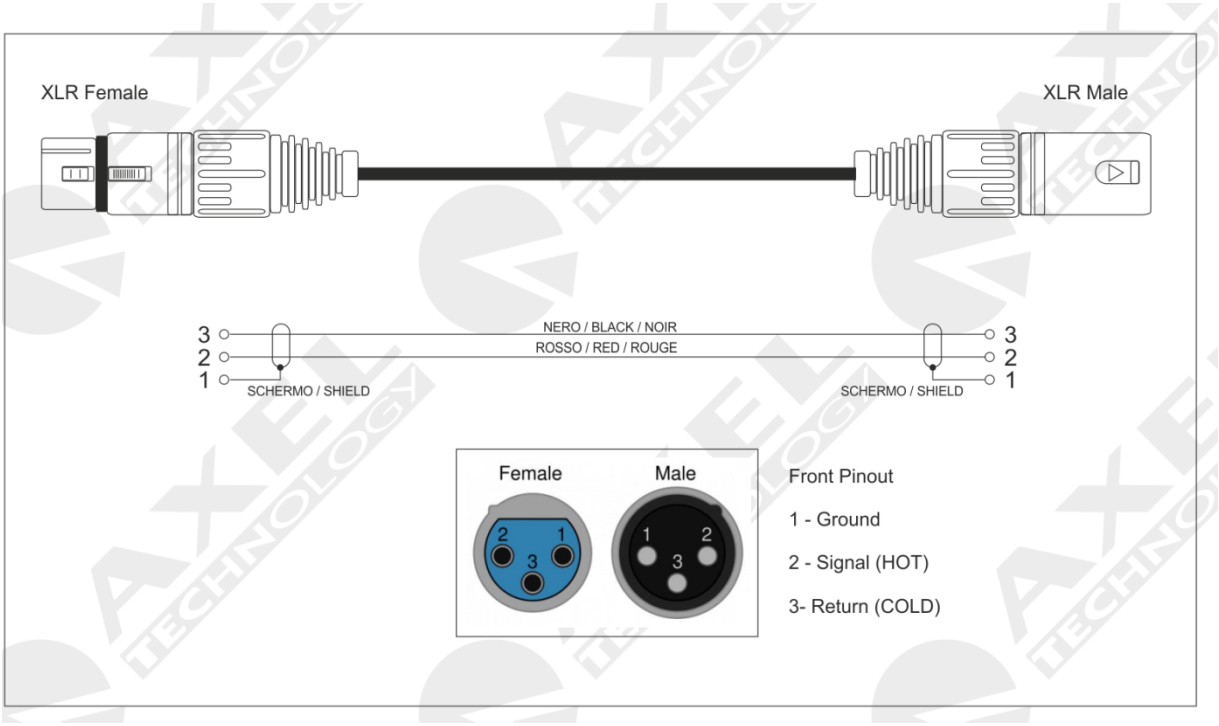


20 TECHNICAL APPENDIX

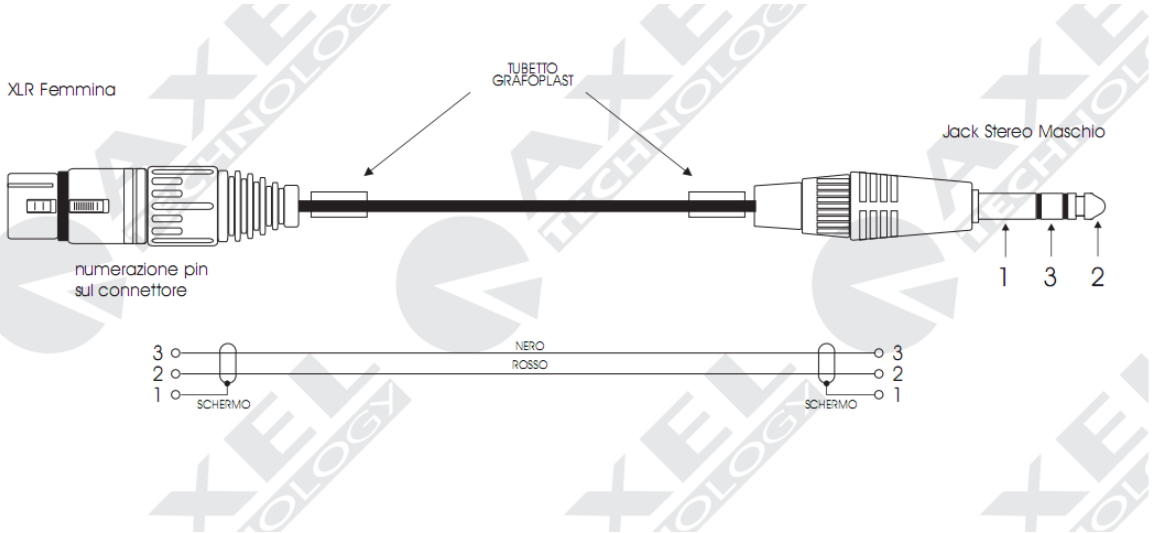
This section provides all the technical explanations, and the connection pin outs to and from the Oxygen 3 and Oxygen 3 -ST. Always refer to this technical appendix for connections and connection procedures. In case of differences between the documentation below and the hardware device please contact Axel Technology at the numbers and e-mail addresses shown at the end of this manual. Our technical and assistance department will be pleased to help you!

20.1 APPENDIX A – BALANCED AUDIO CONNECTION XLR I/O

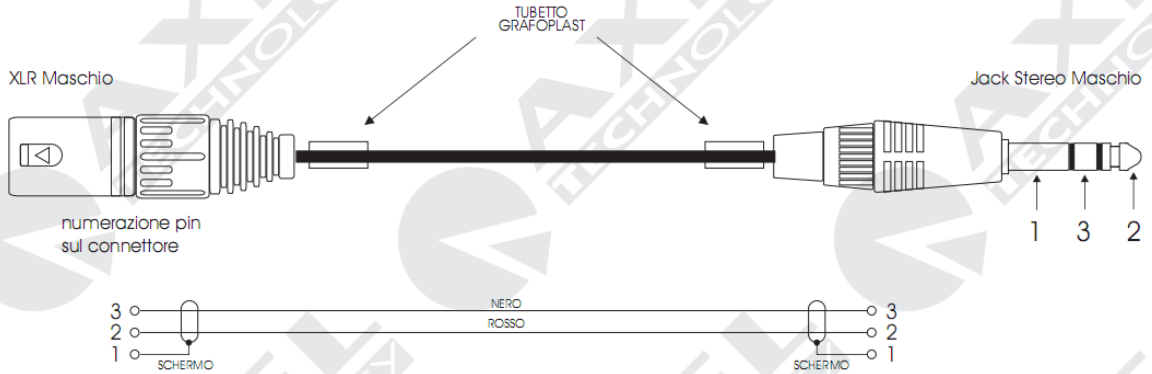
Balanced Audio connection diagram with balanced XLR for **Analogue** audio **input** and **output** (Left+Right).



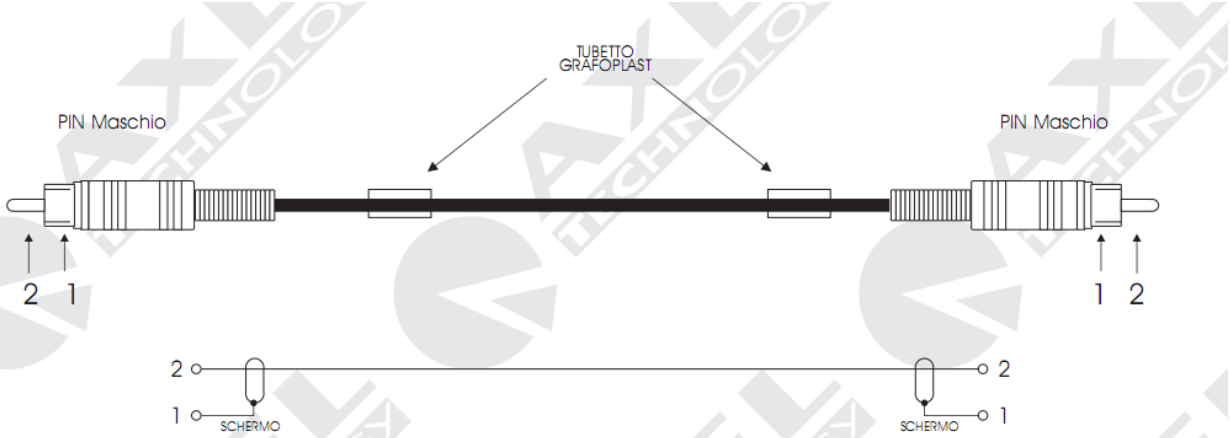
20.2 APPENDIX B – BALANCED AUDIO CONNECTION XLR F – JACK



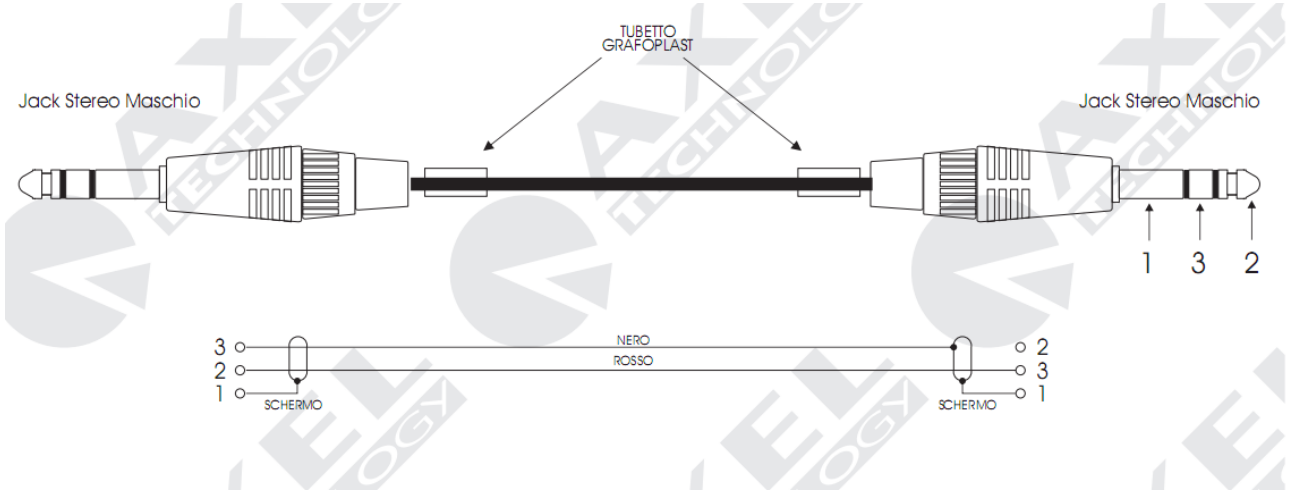
20.3 APPENDIX C –BALANCED AUDIO CONNECTION XLR M – JACK



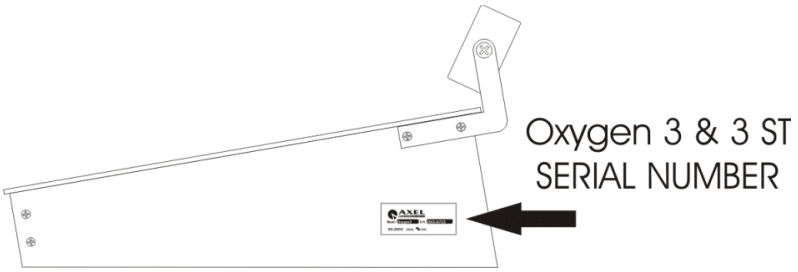
20.4 APPENDIX D – UNBALANCED AUDIO CONNECTION PIN (RCA) AUDIO



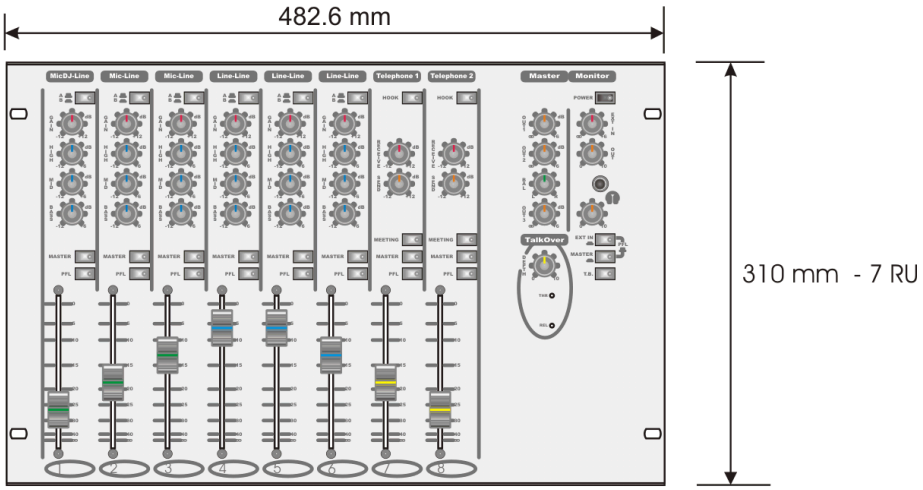
20.5 APPENDIX E – BALANCED AUDIO CONNECTION JACK - JACK

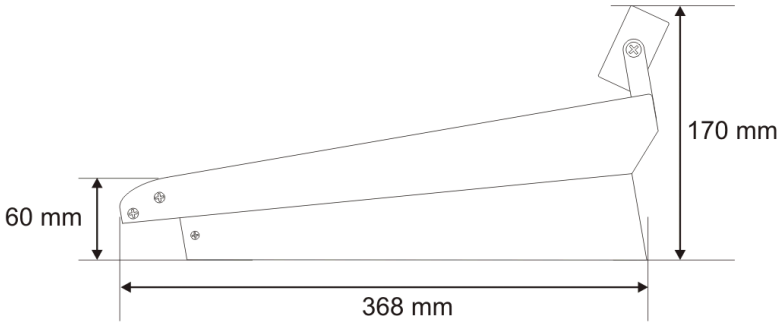


20.6 APPENDIX F – SERIAL NUMBER

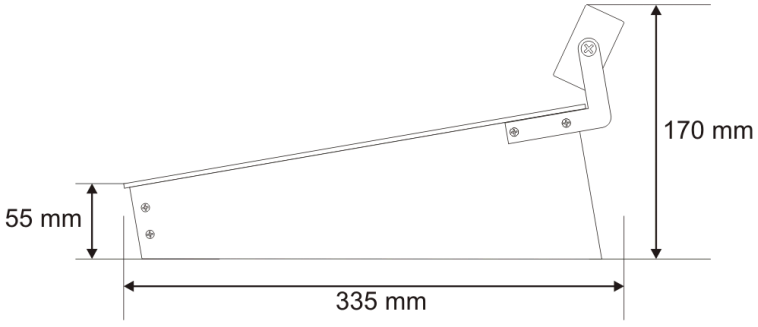


20.7 APPENDIX G – DIMENSION AND LAYOUT





Oxygen 3 & 3 ST - Wood Finishing



Oxygen 3 & 3 ST

21 TECHNICAL SPECIFICATIONS

21.1 OXYGEN 3

STEREO LINE - LINE & LINE – PHONO MODULES				
INPUT A	Stereo		PinRCA	
INPUT A level	0 dBm (LINE – Ch 4 e 5)	Unbal.		Gain -12 to +12 dB
	Phono (RIAA – Ch 6)	Unbal.		Gain -12 to +12 dB
INPUT A impedance (LINE IN)	10 kOhm			
INPUT B	Stereo	Unbal.	PinRCA	
INPUT B nominal level	0 dBm (LINE)			Gain -12 to +12 dB
INPUT B impedance	10 kOhm			
MONO/STEREO MODULE				
INPUT A	Mono	Balan.	XLR	
INPUT A nominal level	- 70 dB (MICRO level)			Gain -12 to +12 dB
INPUT A impedance	> 1,5 kOhm			
INPUT B	Stereo	Unbal.	PinRCA	
INPUT B nominal level	0 dBm (LINE)			Gain -12 to +12 dB
INPUT B impedance	10 kOhm			
TELEPHONE MODULE				
SEND / RECEIVE separation	20 dB***depending by the telephone linee*			
Level In / Out over Phone line	- 6 dBm @ 600 Ohm line			
Compensation mode	Automatic / Electronic			
Connessione di Linea	2-wire, RJ-11 connector			
REC Out		Unbal	PinRCA	0 dB level
MASTER MODULE				
MASTER Output 1 & 2	Stereo	El. Bal.	SubD 15p	from -inf to +6 dB
MASTER Output 3 and Fixed	Stereo	Unbal.	PinRCA	From -inf to +6 dB (Out 3)
MASTER Mono Outputs	Mono	Unbal	PinRCA	0 dBm
MST Nominal level out	0 dBu (LINE)			
MASTER out nominal impedance	100 Ohm			
MONITOR MODULE				
EXT IN	Stereo Line	Unbal	PinRCA	from -inf to +6dB
MONITOR OUT	Line Level (stereo)	Unbal.	PinRCA	from -inf to +6dB
	Headphone – Stereo Line	Unbal.	Jack 1/4”	from -inf to +12dB
TALKBACK Out	Line Level (stereo)	Unbal.	SubD 9p	
GENERAL DATA				
Voltage	90 / 260V (50 – 60 Hz) –switching psu			
Power	20 W			
Dimensions	178 mm (H) x 483 mm (L) x 340 mm (D).			
Weight	Around 5 Kg			

21.2 OXYGEN 3 ST

STEREO LINE-LINE & LINE – PHONO MODULE				
INPUT A	Stereo	Balan.	Jack 1/4”	
INPUT A Nominal Level	0 dBm (LINE)			Gain -12 to +12 dB
INPUT A Impedance	10 kOhm			
INPUT B	Stereo		PinRCA	
INPUT B Nominal level	0 dBm (LINE – Ch 4 e 5)	Unbal		Gain -12 to +12 dB
	Phono (RIAA – Ch 6)	Unbal		Gain -12 to +12 dB
INPUT B Impedance (Line in)	10 kOhm			

MONO/STEREO MODULE				
INPUT A	Stereo	Balan	Jack 1/4”	
INPUT A Nominal Level	0 dBm (LINE)			Gain -12 to +12 dB
INPUT A Impedance	10 kOhm			
INPUT B	Mono	Balan	XLR	
INPUT B Nominal level	-70 dB (livello MICROFONO)			Gain -12 to +12 dB
INPUT B Impedance (Line in)	> 1,5 kOhm			

TELEPHONE MODULE				
SEND / RECEIVE separation	20 dB***depending by the telephone linee*			
Level In / Out over Phone line	- 6 dBm @ 600 Ohm line			
Compensation mode	Automatic / Electronic			
Connessione di Linea	2-wire, RJ-11 connector			
REC Out		REC Out		REC Out

MASTER MODULE				
MASTER Output 1 & 2	Stereo	El. Bal.	SubD 15p	from -inf to +6 dB
MASTER Output 3 and Fixed	Stereo	Unbal.	PinRCA	From -inf to +6 dB (Out 3)
MASTER Mono Outputs	Mono	Unbal	PinRCA	0 dBm
MST Nominal level out	0 dBu (LINE)			
MASTER out nominal impedance	100 Ohm			

MODULO MONITOR				
EXT IN	Stereo Line	Unbal	PinRCA	from -inf to +6dB
MONITOR OUT	Line Level (stereo)	Unbal.	PinRCA	from -inf to +6dB
	Headphone – Stereo Line	Unbal.	Jack 1/4”	from -inf to +12dB
TALKBACK Out	Line Level (stereo)	Unbal.	SubD 9p	

DATI GENERALI	
Voltage	90 / 260V (50 – 60 Hz) –switching psu
Power	20 W
Dimensions	178 mm (H) x 483 mm (L) x 340 mm (D).
Weight	Around 5 Kg

22 WEEE Directive – Informativa RAEE

In line with EU Directive 2002/96/EC for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling.

In Übereinstimmung mit der Richtlinie 2002/96/EG des Europäischen Parlaments und des Rates über Elektro- und Elektronik-Altgeräte (WEEE) darf dieses Elektrogerät nicht im normalen Hausmüll oder dem Gelben Sack entsorgt werden. Wenn Sie dieses Produkt entsorgen möchten, bringen Sie es bitte zur Verkaufsstelle zurück oder zum Recycling-Sammelpunkt Ihrer Gemeinde.

Conformément à la Directive 2002/96/EC sur les déchets d'équipements électriques et électroniques (DEEE), ce produit électrique ne doit en aucun cas être mis au rebut sous forme de déchet municipal non trié. Veuillez vous débarrasser de ce produit en le renvoyant à son point de vente ou au point de ramassage local dans votre municipalité, à des fins de recyclage.

In navolging van richtlijn 2002/96/EG van het Europees Parlement en de Raad betreffende afgedankte elektrische en elektronische apparatuur (AEEA) mag dit elektrische product niet als ongescheiden huisvuil worden weggedaan. Breng dit product terug naar de plaats van aankoop of naar het gemeentelijke afvalinzamelingspunt voor recycling.

In ottemperanza alla Direttiva UE 2002/96/EC sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE), questo prodotto elettrico non deve essere smaltito come rifiuto municipale misto. Si prega di smaltire il prodotto riportandolo al punto vendita o al punto di raccolta municipale locale per un opportuno riciclaggio.

De conformidad con la Directiva 2002/96/CE de la UE sobre residuos de aparatos eléctricos y electrónicos (RAEE), este producto eléctrico no puede desecharse con el resto de residuos no clasificados. Deshágase de este producto devolviéndolo al punto de venta o a un punto de recogida municipal para su reciclaje.

I henhold til EU-direktiv 2002/96/EF om affald af elektrisk og elektronisk udstyr (WEEE) må dette udstyr ikke bortskaffes som usorteret husholdningsaffald. Bortskaf dette produkt ved at returnere det til salgsstedet eller til det lokale indsamlingssted, så det kan genbruges.

I linje med EU-direktiv 2002/96/EG om avfall som utgörs av eller innehåller elektriska eller elektroniska produkter (WEEE) får denna elektriska produkt inte bortskaffas som osorterat kommunalt avfall. Bortskaffa den i stället genom att lämna in den på försäljningsstället eller din lokala återvinningsstation.

EU:n sähkö- ja elektroniikkalaiteromudirektiivin (2002/96/EY) mukaisesti tätä elektroniikkalaitetta ei saa laittaa lajittelemattoman yhdyskuntajätteen sekaan. Hävitä laite palauttamalla se ostopaikkaan tai viemällä se elektroniikkaromun keräyspisteeseen.

De acordo com a Directiva Europeia 2002/96/EC sobre resíduos sólidos de equipamento eléctrico e electrónico (WEEE), este produto eléctrico não pode ser deitado fora juntamente com o lixo municipal indiferenciado. Por favor, no final da vida útil deste produto, devolva-o ao estabelecimento de aquisição, ou entregueo no local de recolha apropriado para reciclagem designado pelo seu município.

V souladu se smrnicí EU . 2002/96/ES o odpadních elektrick ch a elektronick ch zaYízeních (OEEZ) se tento elektrick v robek nesmí likvidovat jako netYídn komunální odpad. PYi likvidaci tento v robek vrat'te prodejci nebo ho odevzdejte k recyklaci do komunálního sbrného zaYízení.

Vastavalt EL direktiivile 2002/96/EÜ, mis käsitleb elektri- ja elektroonikaseadmete jäätmeid (WEEE), ei või antud toodet visata majapidamisjäätmete hulka. Palun tagastage antud toode taaskasutamise eesmärgil müügipunkti või kohaliku piirkonna jäätmekogumise punkti.

V súlade so smernicou 2002/96/ES o odpade z elekrick ch a elektronick ch zariadení (OEEZ) sa toto elektrické zariadenie nesmie odstranovat' ako netrieden komunálny odpad. V robok odstránte jeho vrátením v mieste nákupu alebo odovzdaním v miestnom zbernom zariadení na recyklovanie.

23 WARRANTY

The product is covered by a one year guarantee ex-works by the manufacturer. Do not open the device. The guarantee shall not be valid if the guarantee seals are broken. The manufacturer shall not be liable for damages of any type deriving from or in relation to the incorrect use of the product.

24 DECLARATION OF ROHS CONFORMITY

To minimize the environmental impact and take more responsibility to the earth we live, in accordance with European Union Directive 2002/95/EC, known commonly as RoHS (*Restriction of Hazardous Substances*),

We herewith declare,

Axel Technology srl
Via Caduti di Sabbiuno 6/F
40011 Anzola Emilia – Bologna - Italy

that the product listed below complies with the requirements of Directive 2002/95/EC, Article 4, paragraph 1 with reference to hazardous chemical substances:

Lead (Pb)
Hexavalent Chromium (CrVl)
Mercury (Hg)
PBB (Flame Retardant)
PBDE (Flame Retardant)
Cadmium (Cd)

Product Description: **OXYGEN 3 – OXYGEN 3-ST**

Authorized Company Representative:	Title of Signatory:	Date:
	Christian Sighinolfi – Technical Manager	31 October 2011

25 AXEL TECHNOLOGY IN TOUCH

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